

Patent Abstracts of Japan

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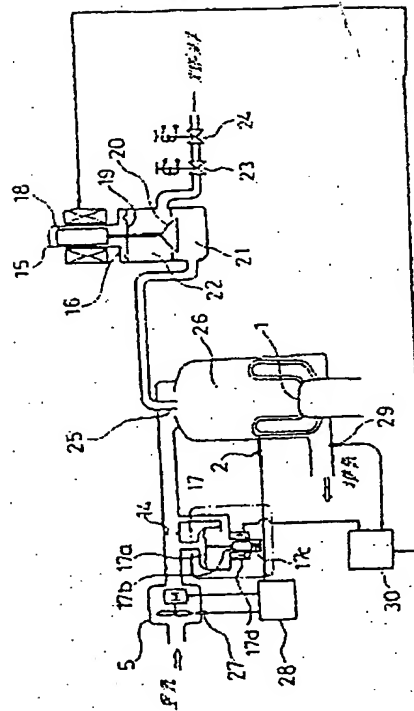
APPLICATION DATE : 28-03-89
APPLICATION NUMBER : 01077725

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : KOSEKI HIDEKI;

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TITLE : HEATING DEVICE FOR EXTERNAL
COMBUSTION ENGINE



ABSTRACT : PURPOSE: To carry out a good performance of combustion at a specified excess air factor in compliance with the rate of air blow by conducting the control on the basis of the wind amount sensing output and the temp. sensing output so that the ratio of the amount of fuel supply to the rate of air blow.

CONSTITUTION: The rate of air blow Q_a is proportionate to the difference of the pressure P_c in a combustion chamber 26 from the atmospheric pressure P_o . This provides measurability for the pressure P_c in the combustion chamber with respect to the rate of air blow Q_a in compliance with a temp. signal given by a temp. sensor 29, which represents the gas temp. in the combustion chamber 26, to give information about the electrical amount to be fed to an electronically controlled gas proportioned valve 15 for obtaining the rate of fuel flow in accordance with the rate of air blow Q . In this manner the rate of air blow to the combustion chamber 26 and the temp. representative for the chamber are sensed, and on the basis of outputs therefrom an electrical amount is fed which shall be corresponding to the proportioned valve 15 with governor function used for supplying the fuel, and thus the excess air factor is adjusted.

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